CIVIL AIM CONSULTANTS & ENGINEERS
(Building Geo-Tech & Highway Materials Testing Laboratory)
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QC-ABSTRACT

Name of Work:- De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Sl No.	Item	Quantity As Per BOQ	Required No's of tests	Actual No's of tests	Tests
1	PCC 1:4:8	87.64 Cum	1	1	Cement
2	M20	189.89 Cum	7	7	Sand, Aggregates
3	Steel	11.39 Tonne	1	1	Concrete Cube Compressive Strength
4	Pre cast Slab -10cm	486.89 Sqm	1	1	–
					–

0-5 m^3	1set
6-15 m^3	2set
16-30 m^3	3set
31-50 m^3	4 set
Add 1set for every 50 Cum	

CIVIL AIM CONSULTANTS & ENGINEERS

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Job No.: CACE/BBMP/GC/W.No.14/2022-2023 Date:28.06.2022

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor, Bangalore.

Name of Work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Sample ID: : Cement (Zuari 53 grade OPC)

Sample Supplied by: : AGENCY

Date of Manufacture: : May-2022

Date of Testing 28-06-22

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	135 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	340 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.50%	-

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

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Job No.: CACE/BBMP/GC/W.No.14/2022-2023 Date 28.06.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor, Bangalore.

Name of Work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Date of Testing 28.06.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	78	7.80	7.80	92.2	90-100
2.36	132	13.20	21.00	79.0	75-100
1.18	158	15.80	36.80	63.2	55-90
600 Micron	221	22.10	58.90	41.1	35-59
300 Micron	185	18.50	77.40	22.6	8-30
150 Micron	186	18.60	96.00	4.0	0-10

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Job No.: CACE/BBMP/GC/W.No.14/2022-2023 Date 28.06.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor, Bangalore.

Name of Work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Date of Testing 28.06.2022

Material : Sand(Plastering) Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	19	1.90	1.90	98.1	95-100
2.36	12	1.20	3.10	96.9	95-100
1.18	39	3.90	7.00	93.0	90-100
600 Micron	72	7.20	14.20	85.8	80-100
300 Micron	255	25.50	39.70	60.3	20-65
150 Micron	502	50.20	89.90	10.1	0-15

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ಆ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಪಾ.ಆ.ಎಂ.ಕಿ
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Date 28.06.2022

Job No.: CACE/BBMP/GC/W.No.14/2022-2023

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor, Bangalore.

Name of Work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Date of Testing 28.06.2022

Material : Sand(Masonry)

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	15	1.50	1.50	98.5	90-100
1.18	36	3.60	5.10	94.9	70-100
600 Micron	87	8.70	13.80	86.2	40-100
300 Micron	268	26.80	40.60	59.4	5-70
150 Micron	463	46.30	86.90	13.1	0-15

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Job No.: CACE/BBMP/GC/W.No.14/2022-2023

Date 28.06.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor, Bangalore.

Name of Work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Date of Testing 28.06.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	241	4.8	4.8	95.2	95-100
10	2645	52.9	57.7	42.3	25-55
4.75	1705	34.1	91.8	8.2	0-10

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TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor, Bangalore.

Name of Work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Date of Testing 28.06.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	206	1.37	1.37	98.63	95-100
20	8469	56.46	57.83	42.17	30-70
10	3358	22.39	80.22	19.78	10-35
4.75	2588	17.25	97.47	2.53	0-5

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Job No.: CACE/BBMP/GC/W.No.14/2022-2023 Date 29.06.2022

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor, Bangalore.

Name of Work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Steel Dia/Length : 8mm,10mm,12mm,16mm" TMT"

Reference to BIS codes : IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test 29.06.2022

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation , percent on gauge length
1	TMT	8	0.395	529	610	1.15	14
2	TMT	10	0.618	530	618	1.17	20
3	TMT	12	0.889	542	622	1.15	22

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CACE/BBMP/GC/
W.No.14/2022-2023

Job No.:

Date: 08.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor,

Name of the work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

SLNo.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2022	08.07.2022	8.025	368.1	16.36
2	01.07.2022	08.07.2022	8.166	390.3	17.35
3	01.07.2022	08.07.2022	8.098	380.1	16.89

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Job No.: CACE/BBMP/GC/W.No.14/2022-2023 Date: 29.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor,

Name of the work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2022	29.07.2022	8.025	526.2	23.39
2	01.07.2022	29.07.2022	8.198	521.1	23.16
3	01.07.2022	29.07.2022	8.025	539.9	24.00

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W.No.14/2022-2023

Job No.:

Date: 08.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor,

Name of the work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2022	08.07.2022	8.150	367.9	16.35
2	01.07.2022	08.07.2022	8.025	365.1	16.23
3	01.07.2022	08.07.2022	8.078	358.1	15.92

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor,

Name of the work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2022	29.07.2022	8.002	538.1	23.92
2	01.07.2022	29.07.2022	8.145	546.2	24.28
3	01.07.2022	29.07.2022	8.036	528.1	23.47

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ಶ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
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Job No.:

Date: 08.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor,

Name of the work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2022	08.07.2022	8.002	368.2	16.36
2	01.07.2022	08.07.2022	8.165	379.5	16.87
3	01.07.2022	08.07.2022	8.098	390.1	17.34

Note:

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

Job No.: CACE/BBMP/GC/W.No.14/2022-2023 Date: 29.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor,

Name of the work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2022	29.07.2022	8.003	531.6	23.63
2	01.07.2022	29.07.2022	8.154	528.1	23.47
3	01.07.2022	29.07.2022	8.078	529.1	23.52

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

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ಬಾಗಲಗುಂಟೆ, ಜಿ.ಜಿ.ಎಂ.ಪಿ
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Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

Job No.: CACE/BBMP/GC/W.No.14/2022-2023 Date: 09.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor,

Name of the work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.07.2022	09.07.2022	8.020	380.6	16.92
2	02.07.2022	09.07.2022	8.145	394.6	17.54
3	02.07.2022	09.07.2022	8.069	378.1	16.80

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ಇ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
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Job No.: CACE/BBMP/GC/W.No.14/2022-2023

Date: 30.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor,

Name of the work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.07.2022	30.07.2022	8.002	534.1	23.74
2	02.07.2022	30.07.2022	8.145	519.8	23.10
3	02.07.2022	30.07.2022	8.066	554.7	24.65

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Srikanth

Authorised Signatory

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Job No.: CACE/BBMP/GC/W.No.14/2022-2023 Date: 09.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor,

Name of the work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.07.2022	09.07.2022	8.210	373.9	16.62
2	02.07.2022	09.07.2022	8.165	391.5	17.40
3	02.07.2022	09.07.2022	8.036	380.2	16.90

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Job No.: CACE/BBMP/GC/W.No.14/2022-2023 Date: 30.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor,

Name of the work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.07.2022	30.07.2022	8.002	543.6	24.16
2	02.07.2022	30.07.2022	8.165	531.8	23.64
3	02.07.2022	30.07.2022	8.098	528.9	23.51

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Job No.: CACE/BBMP/GC/W.No.14/2022-2023

Date: 09.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor,

Name of the work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.07.2022	09.07.2022	8.202	364.3	16.19
2	02.07.2022	09.07.2022	8.145	359.1	15.96
3	02.07.2022	09.07.2022	8.033	380.5	16.91

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Job No.: CACE/BBMP/GC/W.No.14/2022-2023 Date: 30.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Agency : Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction), Contractor,

Name of the work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.07.2022	30.07.2022	8.150	539.1	23.96
2	02.07.2022	30.07.2022	8.030	528.6	23.49
3	02.07.2022	30.07.2022	8.099	543.1	24.14

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Job No.: CACE/BBMP/GC/W.No.14/2022-2023 Date: 09.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor,

Name of the work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.07.2022	09.07.2022	8.020	367.9	16.35
2	02.07.2022	09.07.2022	8.145	380.1	16.89
3	02.07.2022	09.07.2022	8.065	359.5	15.98

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Job No.: CACE/BBMP/GC/W.No.14/2022-2023 Date: 30.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction),** Contractor,

Name of the work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.07.2022	30.07.2022	8.021	543.6	24.16
2	02.07.2022	30.07.2022	8.175	528.7	23.50
3	02.07.2022	30.07.2022	8.066	519.3	23.08

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Job No.: CACE/BBMP/GC/W.No.14/2022-2023

Date: 15.07.2022

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Contractor : Sri. Govindaraju Chikkavenkatappa(Dhruvit Construction), Contractor, Bangalore.

Name of Work : De-silting and Re setting of drain and Re asphalting to Siddeshwara layout in Bagalagunte ward no.14 , BBMP, Bangalore.

No.of Sample Tested : 03

Date of Testing : 15.07.2022

Techinical Reference : IS:516-1959 (Reaffirmed 1999), SP-24:1983.

Grade of Concrete : M_{20}

SL No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	82.00	0.372	2310.46	1.64	0.961	31.90	16.25	17.55	16.86	21.08
2	50.00	84.00	0.389	2358.52	1.68	0.965	32.50	16.55	17.88	17.26	21.57
3	50.00	86.00	0.405	2398.43	1.72	0.970	33.60	17.11	18.48	17.92	22.40

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